102346

September 16, 1985

Shutdown

C. L. Stair

Firewater Discharge to Poplar Creek

The utilities standby group has requested to discharge firewater to the K-31 storm drain which leads directly to Poplar Creek and does not pass a permited discharge point. The flows have been estimated at less than 1250 gallons per hour for a total of 16 hours per week for three consecutive weeks starting the week of September 16, 1985. The laboratory sample results are attached. The water temperature at the K-31 drain will be less than 100 degrees fahrenheit and monitored at the storm drain oil skimmer not to exceed 95 degrees fahrenheit.

The above activities are associated with three cascade cell treatments that are required to be complete before winter. There will be additional activity of similar nature starting in the spring. A listing of all such activities is being collected and will be available the first week in August. We hope to address this item separately due to the urgency of completing cascade winterizing.

W. J. Scheib, K-303-7, MS 338 (6-2510)

WJS:lc

Attachment

cc: W. R. Golliher
K. D. Estes
S. R. Humphreys

cc/att: J. G. Rogers - File

APPROVAL FOR RELEASE

Document: # Unnumbered 1-page ltr dtd 9/16/85, WJ Scheib to CL Stair, FIREWATER DISCHARGE TO POPLAR CREEK; and 1-page attachment, ORGDP ANALYTICAL CHEMISTRY DEPT RESULTS OF ANALYSES

Title/Subject

Date

Approval for unrestricted release of this document is authorized by the Oak Ridge K-25 Site Classification and Information Control Office, Martin Marietta Energy Systems, Inc., PO Box 2003, Oak Ridge, TN 37831-7307.

Irvin S. Trent 1/29/93

K-25 Classification & Information Control Officer — Date

#513

Oak Ridge Gaseous Diffusion Plant
Analytical Chemistry Department
Results of Analyses

Customer Name: NORTHCUTT
Customer Sample Number: FIRE WATER
Date Sample Received: 29-AUG-1985
Material Description: K802 B-LOOP
Lab Sample Number: 850829-143
Date Sample Completed: 30-AUG-1985
Req. Number:

t No	Preparation Procedure No	Analysis Procedure No	Analysis	Result	Units	Analyst	Date Completed
904	TP-1853	TP-0908	Aluminum	0.14	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Barium	0.031	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Beryllium	<0.0003	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Boron	0.26	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Cadmium	<0.0030	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Calcium	28	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Chromium	<0.010	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Cobalt	<0.0050	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Copper	0.0044	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Iron	0.14	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Lead	<0.050	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Lithium	0.0058	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Magnesium	8.2	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Manganese	0.032	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Molybdenum	<0.010	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Nickel	<0.010	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Niobium	<0.0070	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Phosphorus	<0.20	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Potassium	2.5	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Sodium	5.6	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Strontium	0.075	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Thorium	<0.20	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Titanium	0.0092	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Vanadium	<0.0050	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Zinc	<0.0010	mg/L	EA HESTER	29-AUG-1985
	TP-1853	TP-0908	Zirconium	0.0059	mg/L	EA HESTER	29-AUG-1985
531		EPA-415.1	Total Organic Carbon (TOC)	17	mg/L	RL CLARK	30-AUG-1985
750	TP-1734	SM-306	Calcium Hardness	59		BA SHOEMAKER	30-AUG-1985
	TP-1733	SM-307	Chromate	<0.01	MG/L	BA SHOEMAKER	30-AUG-1985
	TP-1738	SM-425	PHOSPHATE(INORGANIC)	1.1	MG/L	BA SHOEMAKER	30-AUG-1985
	TP-1738	SM-425	PHOSPHATE(ORTHO)	0.4	MG/L	BA SHOEMAKER	30-AUG-1985
	TP-1736	SM-307	Phosphate (Total)	NA	MG/L	BA SHOEMAKER	30-AUG-1985
	TP-1757	EPA-9040	pH	7.3		BA SHOEMAKER	30-AUG-1985

Approved By: LW MCMAHON
Date Approved: 12-SEP-1985

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Date of Request 12/10 Expected receipt of document 12/21

Title of requested document Firewater Discharge to Poplar Creek

_____

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Document Number 102346

Access Number of Document _____ Date of Document 9/16/85

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Derivative Classifier T.G. Jordan Phone 41645

Date document transmitted to Dr. Quist 1/15/93

Date release received from Dr. Quist OK 082 1/29/93

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Document number UNNUMBERED/102346 Pages 2

Document title ~~FIREWATER DISCHARGE TO POPLAR CREEK~~

Author(s) (indicate other divisions or organizations, if applicable) WJ SCHEIB

Document type (See Doc. Prep. Guide, Chs. 1 and 2, for definitions of document types):

☐ Formal Report ☐ Progress Report ☐ Informal R&D Report ☐ Abstract ☐ Drawing
☐ Administrative ☑ Correspondence ☐ Internal Technical Data ☐ Photo ☐ Other Visuals

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